

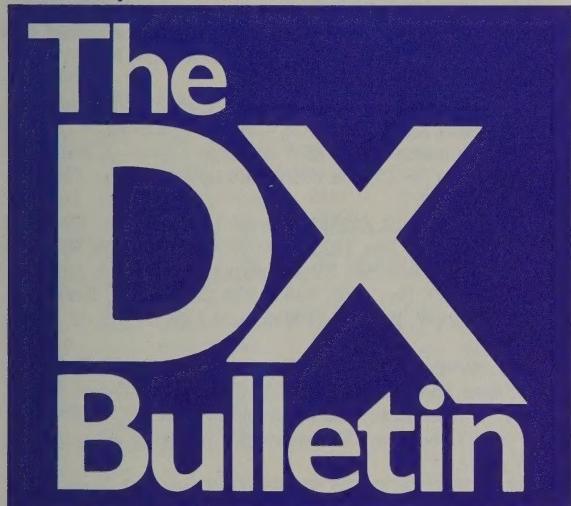
## DXpedition News

**Anguilla - VP2E** Jack KB8WC, Bruce N8LXS, and Scott KO8O will be active as VP2EOH from Anguilla (NA-022) April 18-20. Sunrise 1000Z; sunset 2230Z. QSL to K8BL. (See below.)

**Nevis - V4** The same three Cleveland-area DXers will then operate from Nevis (NA-104) April 22-27, as V47WC on SSB and V47XS on CW. They will pay particular attention to CW, especially on 40 meters. Sunrise 0950Z; sunset 2225Z. QSL V47WC via KB8WC and V47XS via N8LXS.

**Bermuda - VP9** Fred Lucas K1EFI returns to Bermuda as K1EFI/VP9 May 12-20. He will concentrate on CW, 80-10 meters. Sunrise 0920Z; sunset 2300Z. QSL home call: 72 Long Meadow Hill Road, Brookfield CT 06804.

Edited by Chod Harris VP2ML



**Guatemala - TG** Isao Numaguchi JH1ROJ is active from Guatemala City until April 1, on 160-10 meters, CW and SSB, with emphasis on CW. QSL via the JARL bureau to direct to Isao at 4-9-31 Naka-Aoki, Kawaguchi, Saitama 332, Japan.

**Macau - XX** Alberto XX9AS, Marko OH6DO/AB6NJ, Petri OH2KNB/VR2EW, and Martti OH2BH/VR2BH will be active as XX9TR and XX9TZ April 1-5 from Taipa Island (AS-075). Try 14195 and 21295 kHz on SSB, and 25 kHz up on CW. No mention of QSL route.

April 1, 1994

Issue 732

## Shortly Noted

- **9X5DX:** Paul F6EXV has extended his stay in Rwanda until the end of May. He asks callers to avoid duplicate QSOs. QSL via F2VX. ([LNDX](#).)
- **TM5TSM** and **GB0CT** will mark the opening of the Channel Tunnel between France and England May 6-7.
- **4U1ITU** will be active on CW April 30, by Luc I1YRL. He will sign 4U9ITU May 1-2. QSL I1YRL.
- **Pratas Island:** Bob Beatty W4VQ, DX Advisory Committee chairman, has announced that the question of new country status for Pratas Island BV9 has been removed from the DXAC agenda pending receipt of further information from the petitioner. A vote has never been scheduled on the petition. Upon receipt of the requested information, the matter will be placed on the agenda, and a vote scheduled.
- **T33CS/KK:** Spots from the first day of operation of the Banaba Island DXpedition include 14005 kHz at 1300Z, 14195 kHz at 1130Z, and 21023 kHz at 0000Z. See Issue 724 for more information.
- **N0RHL/ZL** and **KB0JSU/ZL** operate 30 meters regularly 0700-0900Z. They will be in New Zealand until fall. N0OFR is QSL manager.
- \* **YI9CW** has been noted on 18075 kHz 1400-1600Z and 24900 kHz at 1344Z. QSL to SP5AUC, Tom Rogowski, PO Box 11, Warsaw 93, Poland.
- **SSB Net check-ins:** **14226.5** kHz (11,22Z): V31LM ZD7BJ VR6DB AH8A TZ6WO WB2ZWO/TZ A71BH KS6DV EA8AFJ 5N0SVL VP8ON; **14247** (23Z): D44AB J69MV CU3AJ V31DE 9G1SD CT3BD J88BS TF3GC HK5JPS CU3AU TU2WX A35CT CP5JI C53HG; **21335** (14Z): TL8NG; **21355** (18Z0: D2/AA4HU 5X1F EL0AB TL8NG CT3BX J28BM 9G1SD 7X2LS.
- Islands On The Air**
- **TM5FB** is active from Fort Brescou (EU-148) Apr. 2-4, with F5XL and F5JYD operating. SSB only on 40-10 meters. QSL via F5XL.
- **NE8Z/4** will be active from several islands in the (NA-034) group Apr. 2-9. Dr Rick Dorsch will be on the IOTA SSB frequencies of 14260, 21260, and 28460 kHz, and 5 and 25 kHz up on CW. QSL to John Kroll K8LJG, 3528 Craig Drive, Flint MI 48506.
- **VE8NC** will be active from a New One for IOTA in the Inuvik Region Apr. 9-10; QSL via VE8CF. ([DXLoggen](#).)
- **K2OLG** Joe will operate from as many as 70 of the Florida Keys (NA-062) Apr. 4-6, on the IOTA frequencies. This operation is in anticipation of a possible US Islands award program. One QSL card with a list of separate island contacts is sufficient, via Joe's 1994 *Callbook* address.
- **ZZ0LL** will be active from São Francisco Island (SA-027) Apr. 20-24, 80-10 meters, CW and SSB. QSL to Jaime Lira PP5LL, P. O. Box 08, 88010-970, Florianópolis SC Brasil.

## Propagation

### Forecast and Historical Data

Day	Forecast	27 Days Before			55 Days Before				
		Date	Flux	A	K	Date	Flux	A	K
April 1994		3/5	96	03/05	1	2/5	93	20/24	3
1	High Normal	3/6	96	07/09	2	2/6	95	46/57	5
2	High Normal	3/7	91	36/53	4	2/7	96	49/54	5
3	Disturbed	3/8	91	38/57	4	2/8	95	50/56	4
4	Disturbed	3/9	90	33/52	4	2/9	101	34/34	5
5	Disturbed	3/10	88	25/35	4	2/10	94	29/31	3
6	Disturbed	3/11	88	24/37	3	2/11	93	36/41	3
7	Disturbed	3/12	93	33/36	3	2/12	98	29/36	3
8	Disturbed	3/13	90	21/22	2	2/13	98	24/28	5
9	Low Normal	3/14	87	25/30	4	2/14	101	23/28	3
10	Below Normal	3/15	87	36/42	4	2/15	104	19/18	3
11	Disturbed	3/16	86	16/18	2	2/16	105	14/14	2
12	Low Normal	3/17	85	26/32	3	2/17	106	08/08	1
13	Below Normal	3/18	87	18/18	1	2/18	106	05/07	1
14	Low Normal	3/19	89	13/15	1	2/19	108	16/17	3
15	Low Normal	3/20	89	08/11	2	2/20	108	14/13	2
16	High Normal	3/21	91	21/27	3	2/21	105	42/60	4

### Propagation Watch

As expected, the bands were pretty good for the WPX SSB weekend. Solar flux was a little lower than expected, but the geomagnetic field remained quiet, providing reasonably good conditions. However, DXers should be prepared for below average conditions over the next couple of weeks, based on the pattern of the past couple of months.

The Space Environment Services Center (the folks who produce the WWV propagation bulletins) have made a couple of predictions for the bottom of Sunspot Cycle 22. Based on a fit between the smoothed sunspot numbers of Cycle 21 and Cycle 22, the earliest that Cycle 22 will hit minimum is in mid-1995. Another method of determining the minimum in the sunspot cycle is 3-5 years after the first spotless day. That method puts the Cycle 22 minimum no earlier than late 1996. Either method suggests about 10 years from the last solar minimum, in September 1986.

This means that sunspot numbers are expected to continue to decline for the next two years, remain steady at a low level for about a year, and then begin to rise in 1997. Low-band DXers are in for a good run, but DXers looking for choice catches on the higher bands will have to be patient. Good hunting.

### QSL Information

- QSL 1C1AK via Idris, Box 1, Grozny, Chechenia, via Russia.
- QSL CO2MA/CO4, T42CW, and T43VR via Ed CO2MA, Box 21056, Alamar, Havana 12500, Cuba.
- QSL Alex L. Rubtson EY8CQ (ex-UJ8JCQ) to Box 1102, Dushanbe 734032, Tajikistan Republic. Do not send cards via Moscow, and do not include any money; IRCs are okay.
- QSL Lev N. Rubtson EY8AB (ex-RJ8JAB) to Box 1047, Dushanbe 734036; other information as above.
- QSL club station EY1ZA (ex-RJ7JYZ) to P. O. Box 126, Dushanbe 734025; other information as above.
- QSL EA8AH to Pekka Kolehmainen OH1RY at his new address: Kisatia 10, 21530 Paimo, Finland.
- QSL 6D2X, XE2XA and XE0DX via Ken Quin K5TSQ, Box 734, Edinburg TX 78540.
- QSL J52AG via Erik Sjölund SM0AGD, Vestagatan 27, S-195 56 Märsta, Sweden. Most of Erik's 4,000 QSOs were from the mainland; only 28 were from AF-020.
- QSL 4X/VE2UJ via 9A2AJ. Gil says he has answered all QSLs for VE2LID, his CQ Zone 2 operation in CQWW CW 1992. Anyone still needing a VE2LID card should send it to Gil Ouellet c/o UNTSO, P. O. Box 5854, New York NY 10017.
- QSL PY5CHO via Lions Clubs de Curitiba Marumbi, P. O. Box 6058, CEP 80011-970, Curitiba PR Brasil.
- QSL the contest call PT5W direct to Ulysses J. Santos Neto PY5LY, P. O. Box 6058, 80011-970 Curitiba PR Brasil.
- QSL contest call ZY5WKS direct to Alessandro C. Siva PU5WKS, P. O. Box 1455, 80001-970 Curitiba PR Brasil.
- QSL the contest call ZY5RY direct to Germano Lema PY5RY, P. O. Box 6058, 80011-970 Curitiba PR Brasil.
- QSL ZF2VW, ZF2PV, FP8DK, and 6Y5/W7WY via W7WY.
- QSL BV9P via the CTARL bureau with SASE: P. O. Box 93, Taipei ROC, or via BV2TA, Box 112/16, Taipei, ROC.
- QSL Jim Bennett TU4EL via manager W3HCW. Don't use the TU bureau; Jim reports not receiving any cards via that route.
- QSL VP2E/N4CD and VP2E/N2TPH via Bob Voss N4CD, 3133 Charring Cross, Plano TX 75025.
- QSL cards for the Crimea (UU prefixes) may be sent to the QSL Bureau of the Crimean Republic, P. O. Box 38, Simferopol 333000, Republic of Crimea, Ukraine. Don't include any money; IRCs only.

### QSLs Received

- From managers: 4K1F (KF2KT, 2 WKS); 5R8DM (JE8XRF, 1 MO); 8Q7CR (DF5JR, 1 MO); 9K2ZZ (W6CNL, 3 WKS); FG5/KA3DSW (KA3DSW, 1 WK); FR/JE8XRF (JE8XRF, 13 MOS); FS/JL1MUT (JH1EDB, 5 MOS); H44/DK7PE (DK7PE, 7 WKS); KG4CB (WD9APE, 3 WKS); KP2A (W3HNK, 8 WKS); PJ9JT (W1AX, 4 DAYS!); PY0F/PY5CC (PY5CC, 16 MOS); ST0/PA3CXC (PA3CXC, 7 MOS); XU7VK (HA0HW, 11 MOS); YB0ASI (WA4FVT, 2 WKS); YW5LT (W1AF, 8 MOS).
- Direct: 3B8CF (1 MO); 4S7EF (5 WKS); 7X4AN (2 MOS); C6A/N3NCW (5 MOS); D44BS (3 MOS); FR5DD (5 WKS); HH6JH (2 MOS); OM3EA (3 WKS); S92SS (1 MO); SU2MT (10 WKS); TG9AQ (2 WKS); TU2MA (4 MOS); YIIAA (6 MOS).
- Bureau: 6V6U (4 MOS); ZP0Y (4 MOS).

# B • A • N • D • P • A • S • S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.*

S	M	T	W	T	F	S
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	112	13	14	15	16

## RTTY

5R8DS	21083	1743	19	MD
9I2A	14084	2106	18	MN
9K2USA	14086	1515	17	MN
HH2PK	14090	0011	21	FL
HP6AW	14082	2205	18	CA
OD5PL	14089	1451	17	MN
S92ZM	14086	0010	21	FL
TZ6FIC	14084	2110	18	MN
UA0SMX	14091	0021	21	FL
UU8JA	14090	1616	16	MN
UU9JWB	14089	1702	16	MN
ZD7DP	21083	1445	13	OH
ZP5JCY	21089	0008	21	FL

## 80 Meters

5N0/	3511	0006	24	FL
DL9GMM				
6W6JX	3501	0110	26	FL
9A1EZA	3519	0155	26	FL
EA9UG	3510	2314	19	MA
ER1CW	3507	0201	22	FL
HK0ER	3510	0138	20	NH
HP1XBH	3505	0246	24	FL
HP2CWB	3504	0919	17	CA
JA1HQT	3505	0955	19	NH
JA1JRK	3504	1015	21	NH
JD1BIK	3508	1155	21	AL
LZ1XZ	3507	0105	26	FL
OK1IAP	3509	0200	20	NH
OM3EY	3509	0433	20	NH
SV0HS	3501	0219	22	FL
TA2BK	3508	0308	20	MA
UR5VRN	3511	0138	26	FL
V73C	3508	1229	16	AL
VK6HD *	3501	2212	15	MA
YV5AAC	3512	1049	15	CA

## 75 Meters

CT3FT	3800	0751	20	CA
EA9IE	3788	0458	18	MN
EA9LZ	3799	0547	19	MN
SV1EX	3796	0413	19	IL
T97M	3794	0240	15	VA
TL8NG	3788	0459	18	MN
V63SD	3797	1424	20	CA
V73C	3794	0651	21	CA
VK6LK *	3798	2210	20	MA

## 40 Meters

3B8CF	7007	0252	24	FL
3B8CF	7005	1425	21	CA
3DA0CA	7010	0415	18	IA
4K1F	7022	0539	20	UT
4K2BY	7007	0255	20	IA
4K9W	7007	0255	18	CA
5N0/	7010	2201	11	VA
DL9GMM				
5R8DG	7006	0331	19	MA

ST5JC 7004 1947 14 NH

5W1GC 7007 1114 14 AL

8R1/N4VA 7004 0220 16 CA

9I2Z 7006 2350 22 FL

EA8AB 7004 0235 14 CA

EX0M \* 7008 1230 19 IA

FG5BP 7014 1059 18 VA

FK8/ 7002 1143 21 AL

DK7PE

FS5PL 7007 0030 13 NH

HCSAI 7002 0230 14 CA

HCSAI 7003 1136 26 FL

HH2MED 7005 1147 17 AL

HT1T 7005 0255 17 ID

IS0OMH 7002 0059 24 FL

JD1BIE 7007 1126 26 FL

PZ1DY 7013 0309 16 KS

SV1AKX 7004 0159 23 FL

TU2XZ 7020 0555 18 IA

V73C 7005 0925 17 CA

V85NL 7012 1315 19 IA

V85XS 7004 1425 19 CA

VK6ANC 7009 1150 19 DE

VR6DB 7011 0420 20 CA

VU2JPT 7004 0030 22 IA

Z21HS 7024 0448 16 CA

Z31PK 7005 0534 20 MA

ZA1J 7006 2335 20 IA

ZK2DX 7004 0912 17 CA

30 Meters

4K1F 10101 0238 17 AL

SU7Y 10104 2324 24 FL

5W1GC 10102 0505 16 KS

8R1/N4VA 10104 0023 25 FL

8R1/N4VA 10103 1208 15 VA

9A2AJ 10103 1820 14 NS

9I2Z 10101 2144 17 NH

9K2ZZ 10101 1819 14 NS

C53HG 10102 2244 22 FL

EA9AI 10107 0334 23 CA

FW/DK7PE 10110 0453 24 CA

HP1XBH 10102 1222 18 NH

HT1T 10103 2309 11 NS

IS0OMH 10106 2303 25 FL

OM3CGP 10101 2327 24 FL

UA6LCN \* 10103 1433 16 CA

VP2MH 10101 2050 19 NH

YL2PQ 10119 2301 25 FL

20 Meter CW

3B8FG 14013 0320 20 IA

3B8FG 14014 1223 22 DE

4K1F 14005 0127 17 UT

4S7WP \* 14017 0135 14 CA

4U1VIC 14025 1520 15 VA

5N0/ 14013 2154 16 WI

DL9GMM

7P8EZ 14012 2029 17 NB

8R1/N4VA 14025 1515 19 CA

9I2Z 14007 0151 23 FL

CO2VS 14015 1711 19 ID

HP1XBH 14009 1248 18 VA

17 Meter SSB

HK0TCN 18130 2310 16 CA

YN1EVG 18133 1811 19 CA

## 15 Meter CW

3DA0CA 21008 1805 19 CA

7X5JG 21030 1918 20 FL

9G1PW 21009 1524 15 VA

9I2Z 21007 2313 20 MA

9M2AX 21024 0123 17 CA

C91J 21018 1926 18 NH

HK0DPA 21010 1337 20 VA

P29KH 21031 2143 17 CA

PZ1DY 21026 1937 20 MA

S92SS 21025 1905 19 IA

TL8NG 21003 1546 12 VA

XQ0YAF 21002 1425 19 IA

YS1DRF 21005 1845 19 CA

ZB2CF 21012 1612 17 WI

20 Meter SSB

3X0DEX 14226 0110 16 CA

4K1F 14210 0118 20 MD

4S7DA \* 14195 0140 16 CA

5W0SVL 14225 0351 20 MD

5X1F 14195 2231 16 MD

6W6JX 14214 0140 19 KS

8Q7AA 14173 1938 13 NS

8R1/N4VA 14210 0235 19 CA

9G1RQ 14256 2303 18 MD

9I2Z 14195 2241 16 MD

A35CT 14235 0452 19 MD

BV6FG 14188 1328 20 MD

C31OF 14207 1647 19 MD

C53HG 14210 0215 18 IA

EA8AJF \* 14198 0323 20 CA

EA9IE 14220 0022 21 MA

FH5CB 14239 0418 20 MD

HV4NAC 14243 1455 12 NC

KC4AAA 14242 0010 14 CA

KS4DV 14224 1347 15 MD

RK2FWA 14223 1257 16 NC

RV9P 14195 1240 23 NC

SU1CS 14276 1605 13 NS

SU2MT 14153 1836 19 MD

TA2DS 14192 1714 14 NS

TL8KM 14228 1839 14 NS

TU2JL 14195 2350 21 IA

VR2GO 14195 1330 20 MD

VR6DB 14226 0025 20 IA

XX9AS 14192 1235 23 NC

YB0ARN 14173 1550 20 CA

YI1EYT 14204 1523 14 NS

ZK1AT 14227 0225 19 CA

ZK1AT 14226 1640 19 MD

12 Meter CW

CT3FT 24900 1438 22 AL

Z21HS 24899 1517 20 DE

12 Meter SSB

9G1SD 24940 1643 19 MD

FY5GF 24946 1658 21 CA

10 Meter CW

FY5GU 28020 1725 20 CA

XQ0YAF 28010 1716 13 VA

10 Meter SSB

AP6CU 28450 2046 19 MD

C53HG 24894 1607 20 VA

CN8EC 28457 1645 20 MD

CU3DH 28430 1730 20 MD

D2/A4HU 28450 1725 20 MD

SV2AVP 21036 1601 20 MD

**Current and Future DXpeditions**

(Changes and hot info in boldface.)

DXCC Country	Prefix	CallSign	Dates	Issue
Anguilla	VP2	EOH	Apr. 18-20	I732
Banaba Island	T33	T33CS/KK	Mar. 27-Apr. 5	I724
Benin	TY	TY8ROBO	April	I731
Bermuda	VP9/	K1EFI	May 12-20	I732
Cambodia	XU	XU7UK	to Feb. '95	I724
		XUØHW/XU9HA	May 5-19	I726
Dodecanese	SV5/	Fs	Apr. 23-29	I730
Fiji	3D	3D2QB	now active	I726
Guatemala	TG/	JH1ROJ	to Apr. 1	I732
Guyana	8R1/	N4VA	to April	I729
Iraq	YI9CW		18074 14-16Z	I732
ITU HQ	4U1ITU		Apr. 30-May 2	I732
Johnston Island	KH3	AH6IO+	May 4-9	I729
Juan de Nova	FR/J	FR5ZQ/J	to late Apr.	I731
		FR5ZU/E	Mar. 29-Apr.	I731
Laccadives	VU7LI		now active	I728
Macau	XX	XX9TR/TZ	Apr. 1-5	I732
Mariana Islands	KHØ/	JA1CMD	Apr. 2-6	I723/30
Nevis	V4	V47WC/XS	Apr. 22-27	I732
New Caledonia	FK/	DK7PE	now active	I731
Nicaragua	YN	YN1EUG	to April	I727
Niger	5U	SU7TY	now active	I726
Nigeria	5NØ/DL9GMM		to Dec.	I731
North Cooks	ZK1AT		3784 07Z Sun.	I729
Pakistan	AP	AP2MIZ	21270/11Z	I730
		AP2JZB	21295/12Z	I730
Pitcairn Island	VR6	VR6ID	21290 1600Z Mon.	I716
Puerto Rico	KP4/	AH6MM	Apr. 4-10	I731
Rodriguez Island	3B	3B9FR	new bands	I711
Rwanda	9X	9X5DX	through May	I732
Saudi Arabia	HZ	HZ1AB	1832± 02Z Fri.	I721
Somalia	T5	TSYOU	Mar. 24-Apr. 4	I728
Spratly Islands	1S	9MØPA+	Apr. 2-5	I729
Svalbard	JW	JW5EBA	Jan.-June	I719
Tajikistan	EY	EY8MM	3505/3795 02Z	I729
Trindade Island	PYØ	PYØTUP	Apr.-Aug.	I731
Turkey	TA/FB1LYF		to mid-Apr.	I730
Zambia	9I2A/M/Z		to Apr. 6	I724/6
	9J2BO		24900 1530Z	I720

**Operating Events and DX Gatherings**

Dates	Event	Reference:
April 2-3	Poland DX Contest	CQ
April 15-17	Visalia International DX Convention	I716
April 29-May 1	Dayton Hamvention®	

**Contributors**

This Issue made possible by: AB4PW, AB8K, AHØW, DXLoggen, EY8CQ, JH1ROJ, KØPP, K1EFI, K2OLG, K4GLU, K4IQJ, K5FUV, K5TSQ, K6IR, K7UOT, K8JLF, KA3DBN, KA3TGY, KA7T, KG4O, KG6I, KM6FW, KM9J, KN4FY, KO8O, KT7H, KZQX, LNDX, NØABA, N4CD, N4UJ, N7NG, N8BJQ, NE8Z, PS7AB, PY5LY, SM0AGD, TU4EI, VE1YX, VE2UJ, VE9RJ, WØJRN, W1AW, W1BFT, W1CNU, W1FV, W1NH, W4VQ, W6JOX, W6UQF, W7WY, W8CT, W9DH, W9HAO, W9RXJ, WA7BNM, WB3ECU, WB8ZRL, WD4HRM, WM3B, WU6T, and WØJRN; many thanks.

**Resident Amateurs on Regularly**

DXCC Country	Callsign	Freq.	UTC
80 Meters	FG5BP	3507	0115Z
Albania	ZA1J	7006	2330Z
Easter Island	XQØYAF	21002	1400Z+
Ecuador	HC5AI	7004	1130Z
Gambia	C53HG	10104±	2245Z Tues.
Namibia	V51E	21340±	1800Z
Nicaragua	HT1T	7003±	0300Z
Nigeria	5NØ/DL9GMM	14017±	2200Z
Pitcairn Island	VR6DB	14224±	0030Z
Sardinia	ISØOMH	7003	0100Z
South Shetlands	4K1F	18073	0045Z
South Shetlands	4K1F	14005	0130Z
St. Martin	FS5PL	7006	00-04Z
Suriname	PZ1DY	7018±	03Z Wed.
Swaziland	3DAØCA	21015±	1800Z



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**Dayton DX Dinner**

The Southwest Ohio DX Association is pleased to announce the Ninth Annual DX Dinner which will be held on Friday, April 29th, 1994 at the Stouffer Center Plaza Hotel, Dayton OH. There will be a cash bar at 6:30 with dinner at 7:15. Tickets must be purchased in advance, and are available from Scott Lehman, N9AG, PO Box 803, Greenville OH 45331. Tickets will be \$27.00. Please make your check payable to SWODXA, and send an SASE for ticket return. Seating will be limited, so please order early. If you wish to sit as a group, it would be appreciated if you order as a group. All seats will be reserved. Ralph Fedor KØIR will be the keynote speaker. Ralph was the organizer of the 3YØPI expedition and will show slides of the highly successful Peter 1 expedition. For further information, contact Scott Lehman, N9AG, at (513) 548-6230 or Steve Bolia, N8BJQ, at (513) 429-9954 voice/fax.